CLAIMS

What is claimed is:

1. An air conditioning system adapted for control of the amount of moisture within air being conditioned, the system comprising:

a condensing unit;

an air handler containing a blower motor for movement of air past a cooling coil;

a speed control for the air handler, the speed control operable to operate the blower motor of the air handler at a lower speed.

2. The air conditioning system of claim 1 wherein the speed control further comprises a time delay circuit having a first operating mode in which the blower motor is off, a second operating mode in which the blower motor operates at a lower speed, and a third operating mode in which the blower motor is operated at a higher speed.

3. The air conditioning system of claim 2 wherein the lower speed is approximately 70% of the higher speed.

4. The air conditioning system of claim 2 wherein the time delay circuit causes the blower motor to operate at the lower speed for a predetermined delay period at the start of a blower cycle.

5. The air conditioning system of claim 4 wherein the predetermined delay period is from about 5 minutes to about 7 minutes.

6. The air conditioning system of claim 1 further comprising:

an outside air damper for selective introduction of outside air into the air conditioning system; and

a humidistat for operational control of the outside air damper to close the outside air damper upon detection of an excessive humidity level.

7. An air conditioning system adapted for control of the amount of moisture within air being conditioned, the system comprising:

a condensing unit;

an air handler containing a blower motor for movement of air past a cooling coil;

an outside air damper for selective introduction of outside air into the air conditioning system;

a humidistat for operational control of the outside air damper to close the outside air damper upon detection of an excessive humidity level; and

a speed control for the air handler.

8. The air conditioning system of claim 7 wherein the speed control comprises a time delay circuit and a single pole, double –throw relay.

9. The air conditioning system of claim 7 wherein the time delay circuit has a first operating mode in which the blower motor is off, a second operating mode in which the blower motor operates at a lower speed, and a third operating mode in which the blower motor is operated at a higher speed.

10. The air conditioning system of claim 7 further comprising return air ductwork for carrying conditioned air from the structure back into the air conditioning system, and wherein the humidistat is mounted within the return air ductwork.

11. The air conditioning system of claim 9 wherein the time delay circuit causes the blower motor to operate at the lower speed for a predetermined delay period at the start of a blower cycle.

12. The air conditioning system of claim 11 wherein the predetermined delay period is from about 5 minutes to about 7 minutes.

13. A method of controlling the moisture level of conditioned air within a structure comprising the steps of:

energizing a cooling coil;

operating a blower motor at a first speed for a predetermined time period to move air past the cooling coil; and

operating the blower motor at a second speed after said predetermined time period has elapsed to move air past the cooling coil, the second speed being greater than the first speed.

14. The method of claim 13 further comprising the steps of:

detecting a humidity level within conditioned air; and

limiting entry of outside air into the conditioned air by closing off an outside air damper upon detection of a predetermined humidity level.

15. The method of claim 13 wherein the predetermined time period is from about 5 minutes to about 7 minutes.

16. The air conditioning system of claim 13 wherein the first speed is approximately 70% of the second speed.